

METHODS AND SYSTEMS FOR REDUCING INTERFERENCE
USING CO-CHANNEL INTERFERENCE MAPPING

ABSTRACT OF THE DISCLOSURE

Methods of demodulating a received signal are disclosed in which an interference map containing information regarding a plurality of candidate co-channel interference sources is provided. The information in the interference map regarding the plurality of candidate interference sources may be used to identify any of the candidate co-channel interference sources that comprise a dominant interference source. The received signal may then be demodulated in a manner that cancels at least part of the contribution of any identified dominant interference source by using the information regarding any such interference source contained in the interference map.